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QUERY CONTROL FORM				RTIS USE ONLY	
Application No.	09/771,669	Prepared by	MB	Tracking Number	05997841
Examiner-GAU	Page - 1615	Date	9/28/04	Week Date	08/16/04
		No. of queries	4	IPW(AUT4)	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other Index of claim

SPECIFICATION

a. Page Missing
b. Text Continuity
c. Holes through Data
d. Other Missing Text
e. Illegible Text
f. Duplicate Text
g. Brief Description
h. Sequence Listing
i. Appendix
j. Amendments
k. Other

CLAIMS

a. Claim(s) Missing
b. Improper Dependency
c. Duplicate Numbers
d. Incorrect Numbering
e. Index Disagrees
f. Punctuation
g. Amendments
h. Bracketing
i. Missing Text
j. Duplicate Text
k. Other illegible Claim listing

MESSAGE

① Final column of Index of claims is blank (claims renumbered box not marked).
② Continuing data is listed in specification (Amdt. dated 06/09/04) but not shown on the palm/bibsheet.
③ Original claims 7 and 8 both depends on original claim 24. please advise/correct claim dependency.
④ clean copy of claims (dated 01/07/03, coded as REM, pages 6-8 are illegible — see attached. please provide legible/clearer copies of claim listing.

Thamkyen

initials

RESPONSE

initials

E-5 (Rev. 10/01/02)

CLEAN COPY OF ALL CLAIMS

D1

1. A composition with synergistic anti-inflammatory properties for use in conditions induced by inflammatory disease-causing biomolecules released from mast cells by the activation and degranulation of said mast cells, comprising a non-bovine proteoglycan and unrefined kernel olive oil, and one or more of a D-hexosamine sulfate, a flavonoid, S-adenosylmethionine , and a histamine-1-receptor antagonist, in an appropriate excipient or vehicle for oral or topical administration.

2. The composition according to claim 1, wherein said proteoglycan is selected from the group consisting of non-bovine chondroitin sulfate, keratan sulfate, dermatan sulfate and hyaluronic acid.

3. The composition according to claim 2, wherein said chondroitin sulfate is derived from shark cartilage.

4. The composition according to claim 1, wherein said hexosamine sulfate is D-glucosamine sulfate.

5. The composition according to claim 1, wherein said flavonoid is selected from the group consisting of quercetin, myrisetin, genistein and kaempferol.

6. The composition according to claim 1, wherein said olive oil contains omega fatty acids and alpha-tocopherol.

7. The composition according to claim 24, said composition being for oral use, comprising 300 mg each of non-bovine chondroitin sulfate C, quercetin and D-glucosamine sulfate, in kernel olive oil.

8. The composition according to claims 7 or 24, further comprising 100 mg of S-adenosylmethionine.

D2

9. The composition according to claim 1, wherein said inflammatory disease is arthritis and said composition is contained in an ointment or cream for topical application, comprising, in mg%, chondroitin sulfate 0.05; unrefined kernel olive oil, 1-5; and one or more of: D-glucosamine sulfate, 0.05; and quercetin, 0.03.

10. The composition according to claim 9, further comprising diphenhydramine, 5mg%.

D3

11. A composition according to claim 1, said composition consisting of a mouth wash composition, comprising chondroitin sulfate, 0.4 M; unrefined kernel olive oil 0.5-1.5 mg%; and one or more of D-glucosamine sulfate, 0.4 M; and quercetin, 0.3 M, in a mouth wash vehicle.

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12. A composition according to claim 1, said composition consisting of a tooth paste, comprising, in mg%, chondroitin sulfate, 0.0 5; and unrefined kernel olive oil, 1-5;and one or more of D-glucosamine sulfate, 0.05; and quercetin, 0.03; in a tooth paste vehicle.

D3

13. A composition according to claim 1, said composition consisting of a sunscreen composition, comprising, in mg% , chondroitin sulfate, 0.05, and unrefined kernel oil 1-5; and one or more of D-glucosamine sulfate, 0.05; quercetin, 0.03; and titanium dioxide, 1-5; in a sun screen vehicle.

22. A method of treating a subject suffering from an inflammatory disease, wherein said inflammatory disease results from biomolecules secreted from activated and degranulated mast cells, said inflammatory disease being selected from the group consisting of osteoarthritis, cancer, fibromyalgia, atherosclerosis, inflammatory bowel disease, interstitial cystitis, irritable bowel syndrome, migraines, angina, chronic prostatitis, eczema, arthritis, multiple sclerosis, psoriasis, sun burn, and periodontal disease, comprising the step of administering to said subject an effective amount of a composition according to claim 1.

23. The composition according to claim 1, wherein said histamine-1-receptor antagonist is diphenhydramine.

24. The composition according to claim 1, wherein said inflammatory disease is arthritis and said composition is designed for oral administration, comprising non-bovine chondroitin sulfate, quercetin, D-glucosamine sulfate, and unrefined kernel olive oil.

D4

25. The composition according to claim 9, comprising, in mg%, chondroitin sulfate, 0.05; D-glucosamine sulfate, 0.05; quercetin, 0.03; and, unrefined kernel olive oil, 1-5.

26. The composition according to claim 1 for oral use in allergic conditions, comprising chondroitin sulfate, a flavonoid selected from the group consisting of quercetin, myricetin and kaempferol, and said kernel olive oil.

27. The composition according to claim 26, comprising 200 mg each of chondroitin sulfate and kaempferol and said kernel olive oil.

D5

28. The composition according to claim 26, comprising chondroitin sulfate and myricetin and said kernel olive oil.

29. The composition according to claim 28, supplemented with a histamine-1-receptor antagonist.

30. The composition according to claim 29, wherein said antagonist is diphenhydramine.

31. The composition according to claim 1, wherein said inflammatory disease is cancer and wherein said composition is designed for oral use, comprising 25-50 mg of genistein and

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150-300 mg of quercetin, and said kernel olive oil.

32. The composition according to claim 1, wherein said inflammatory disease is atherosclerosis with or without myocardial ischemia, comprising 100-300 mg each of chondroitin sulfate , myricetin and S-adenosylmethionine, and said kernel olive oil, in a vehicle for oral use.

33. The composition according to claim 1, wherein said inflammatory disease is interstitial cystitis, said composition comprising 100-300 mg of chondroitin sulfate, 100-300 mg of hyaluronic acid, and 200-400 mg quercetin, and said kernel olive oil, in a vehicle for oral use.

34. The composition according to claim 1, wherein said inflammatory disease is prostatitis, said composition comprising 100-200 mg of chondroitin sulfate, 100-200 mg hyaluronic acid and 200-400 mg of quercetin, and said kernel olive oil, in a vehicle for oral use.

35. The composition according to claim 1, wherein said inflammatory disease is multiple sclerosis, said composition comprising 100-300 mg each of chondroitin sulfate, myricetin and S-adenosylmethionine, and said kernel olive oil, in a vehicle for oral use.

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Issue Classification	Application No.	Applicant(s)	
	09/771,669	THEOHARIDES, THEOHARIS C.	
	Examiner	Art Unit	
	Sharon L. Howard	1615	

ISSUE CLASSIFICATION

ORIGINAL CLASS	ORIGINAL SUBCLASS	CROSS REFERENCE(S) CLASS	CROSS REFERENCE(S) SUBCLASS (ONE SUBCLASS PER BLOCK)
514	886	424	49 464
INTERNATIONAL CLASSIFICATION		514	887 901
A01N 25/00			
A61K 7/16			
A61K 9/20			
	1		
	1		

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Total Claims Allowed: 32

O.G. Print Claim(s)	O.G. Print Fig
1	—

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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	2		32		62		92		122		152		182
	3		33		63		93		123		153		183
	4		34		64		94		124		154		184
	5		35		65		95		125		155		185
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